

THE CAMBRIDGE STATISTICS DISCUSSION GROUP

**Thursday 25th March 1999 7:15 for 7:45
(PLEASE NOTE CHANGE OF DATE)**

Anglia Polytechnic University,
East Road, Cambridge

A Biometrician at Sea – Problems in Antarctic Marine Ecology

Alistair Murray

British Antarctic Survey,
Cambridge

Abstract: Krill, their food, and their predators are the object of much research by the British Antarctic Survey. Research at sea is seldom straightforward and data sets are often large and messy. Even designed surveys and experiments rarely go according to plan. Analysis is usually somewhat challenging! However, there is considerable scope for introduction of new applications of statistical methods. Examples will be presented in the areas of spatial, temporal and multivariate analysis. Working in isolation (there is only one biometrician at BAS), it is hard to always come up with a good solution. The audience will be invited to contribute suggestions. Of course no presentation on Antarctic science would be complete without photographic illustration!

Speaker: Alistair Murray graduated in Applied Biology from Cambridge in 1976. He went on to do research on variety trials of carrots and onions in collaboration with NIAB (1976-81) which changed his primary interest to experimental design and analysis. In 1981 he joined the Statistics Department at Rothamsted Experimental Station as consultant to the Agricultural Advisory and Development Service, working mostly on cereal nitrogen response trials. From 1986 till present, he has been the biometrical consultant for the Marine Life Science Division of the British Antarctic Survey.

Directions: The talk will take place in Room 311 of the Rackham Building which is on the right of Broad Street which leads off East Road. Parking for a fee of £1 is accessed from Broad Street and is located to the right of the Rackham Building. Enter the building using the entrance from the car park and turn right. Room 311 is then the second on the right. The outside door will be locked at 7:45.

Next Meetings:

13th May – Nick Goldman (Genetics) on 'Hidden Markov Models of Protein Structure and Protein Sequence Evolution'.
4th October – Chris Palmer (IPH).

Supper: Some members eat regularly in the University Centre before each meeting at 6-15. Feel free to join them.

Subscriptions: of 4 pounds per member are now due for the 1998-9 session. Cheques should be made payable to Margaret Corbett and may be posted to the secretary at the address below.

Secretary: Peter Watson, MRC Cognition and Brain Sciences Unit, 15 Chaucer Road, Cambridge CB2 2EF;
telephone 01223 355294 Extension 380; E-mail peter.watson@mrc-cbu.cam.ac.uk

